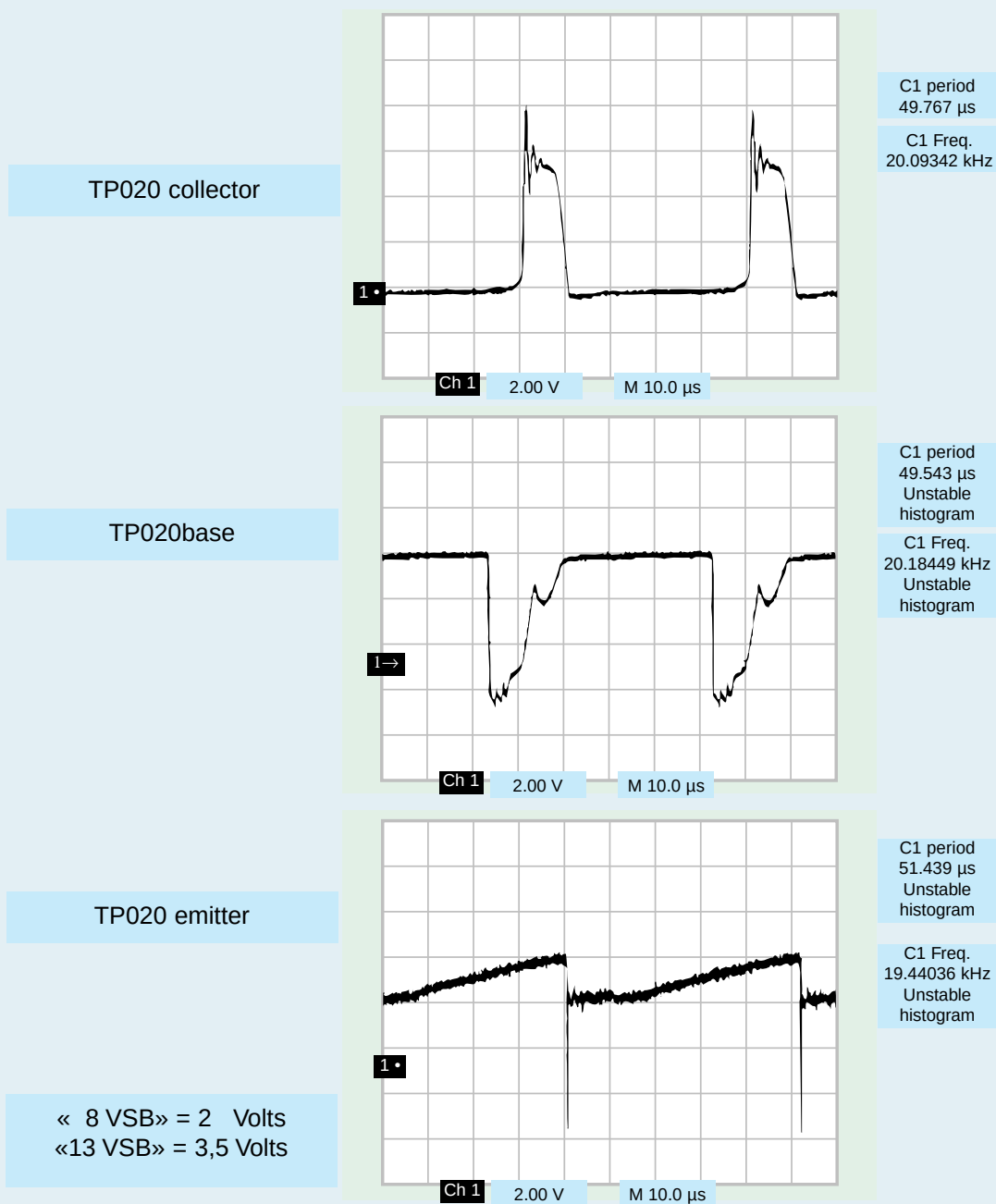


STAND-BY POWER SUPPLY TROUBLESHOOTING METHOD

1. IN LOW VOLTAGE MODE

- discharge capacitors CP062 and CP013
- shunt resistances RP016 through RP020 with a 10k 1/2 W resistance
- power up the frame with a 12VDC input applied through the mains socket

The following situation should ensue:



NB. If nothing happens, disconnect the collector of TP020 and check the presence of about 2V6 at the cathode of the Zener diode DP019.

This method also works if transistors TP021/023/026 are removed.

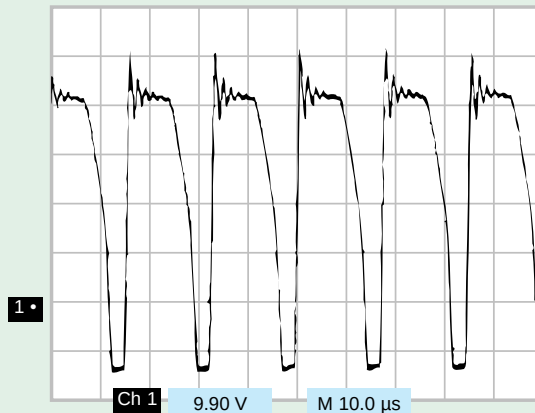
The signals are significantly dampened in case the "8 VSB" or "13 VSB" is short-circuited.

2. IN NOMINAL VOLTAGE MODE (220 VAC)

- remove module VM4000 to force the permanent working of the STAND-BY power supply

The following situation should ensue:

TP020 collector



C1 period
17.310 μs

C1 Freq.
57.77009 kHz

« 8 VSB » = 8 Volts
« 13 VSB » = 13 Volts

VERIFICATION

- Check whether TP026 is not short-circuited